| <br> | ·· · | laims |  |
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|                 | •                  |
|-----------------|--------------------|
| Application No. | Applicant(s)       |
| 10/709,040      | PERCIVAL, JAMES I. |
| Examin r        | Art Unit           |
| Mehdi Namazi    | 2188               |

| <b>√</b> | Rejected |
|----------|----------|
| II       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-El ct d  |  |
|---|--------------|--|
| ı | Interference |  |

| A | App al   |
|---|----------|
| 0 | Objected |

Date

|          |          | Ц          | L               |          |   |              | J  |          | Ц.       | _        |     |          |          |       |          |                 | _        |                |          |               | _               |           |          |          |            | ш        |           |                 |
|----------|----------|------------|-----------------|----------|---|--------------|--|----------|----------|----------|-----|----------|----------|-------|----------|-----------------|----------|----------------|----------|---------------|-----------------|-----------|----------|----------|------------|----------|-----------|-----------------|
| CI       | aim      | Г          |                 |          | _ | Date         |  |          |          |          | 1   |          | aim      | г     |          |                 |          | Date           |          |               |                 | _         |          | Cle      | aim        | _        |           |                 |
| Cir      |          | 45         | П               | П        |   |              | <u> </u>   | -        | 1        | _        | ┨   | Cla      |          |       | г        |                 |          | Jak            | _        |               | $\neg$          | -         | $\vdash$ |          |            | A.       |           |                 |
| -        | Original | 1/10/200\$ |                 |          |   |              |  |          |          |          |     |          | Original | 1/1/2 |          |                 |          |                |          |               |                 |           | Ι.       | <u>.</u> | Original   | 2/64     |           |                 |
| Final    | ij       | 8          |                 |          |   |              |  |          |          |          |     | Final    | ij       | 1%    | ļ        |                 |          |                |          |               |                 |           | Ι,       | Fina     | ij         |          | •         |                 |
| ۱ ۳      | ŏ        | =          |                 |          |   |              |  |          | '        |          |     | ш.       | ō        | 65    |          |                 |          |                |          | l             |                 | ŀ         | Ι'       | וי       | ŏ          |          |           |                 |
|          | 1        | V          | $\vdash$        | ᅱ        |   | ┢            |  | $\vdash$ | ⊢        | ┝        | 1   | <u> </u> | 51       | V     | ├        | Н               | -        |                |          |               |                 | $\dashv$  | $\vdash$ | $\dashv$ | 101        |          | -         | $\vdash$        |
|          | 2        | V          | $\vdash$        | +        |   | -            | -  | -        | $\vdash$ | ┢        | ١.  |          | 52       | 1     | $\vdash$ | Н               |          |                | $\vdash$ | -             |                 | -         | $\vdash$ | $\dashv$ | 102        | v        |           | $\vdash$        |
| $\vdash$ | 3        | V          | $\vdash$        | $\dashv$ |   | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | 1   |          | 53       | V     | ├─       | Н               | -        | $\vdash$       | $\vdash$ | $\dashv$      | +               | $\dashv$  | $\vdash$ | $\dashv$ | 103        | 7        | -         | $\vdash$        |
|          | 4        | V          | $\vdash$        | 7        |   | -            | -  |          |          |          | 1   |          | 54       | V     | -        | H               |          |                |          | -             |                 | $\dashv$  | $\vdash$ | $\dashv$ | 104        | V        |           | H               |
|          | 5        | V          |                 | ᅥ        |   | $\vdash$     | $\vdash$   | -        | ╁        | ┢        | 1   | <b></b>  | 55       | V     |          | Н               |          |                | $\vdash$ | _             | +               | $\dashv$  | $\vdash$ | $\dashv$ | 105        | V        | -         | H               |
|          | 6        | V          | $\vdash$        | $\dashv$ |   | $\vdash$     | $\vdash$   |          | ┢        | $\vdash$ | 1   |          | 56       | v     |          | Н               |          |                | $\neg$   |               | +               | ┪         | $\vdash$ | -        | 106        | v        | _         | Н               |
|          | 7        | V          | H               | ┪        |   |              |  |          |          |          | 1 . |          | 57       | V     | _        |                 | -        |                | -        |               | $\top$          | -         | $\vdash$ |          | 107        | V        |           |                 |
|          | 8        | V          | H               | ┪        |   |              |  |          | H        |          | 1   |          | 58       | V     |          | П               |          |                |          |               | $\dashv$        | 7         | $\vdash$ |          | 108        | 7        |           | П               |
|          | 9        | V          | $\Box$          | ヿ        |   |              | Т  |          | H        |          |     |          | 59       | V     |          | П               |          |                |          |               | $\dashv$        | 7         | $\vdash$ |          | 109        | V        |           | П               |
|          | 10       | V          | $\Box$          | ┪        |   |              |  | $I^-$    |          |          | 1   |          | 60       | V     |          | П               |          |                |          |               | 十               | 7         | T        | T        | 110        | V        |           | П               |
|          | 11       | V          | $\Box$          | 7        |   |              |  | _        | Г        | 1        | 1   |          | 61       | V     |          | П               |          |                |          |               | $\top$          | 7         |          | 寸        | 111        |          |           | $\sqcap$        |
|          | 12       | V          |                 | ┪        |   | _            | Ī  |          | T        | T-       | 1   |          | 62       | V     |          | П               |          |                |          |               | $\neg \uparrow$ | 7         |          | 寸        | 112        |          | $\Box$    | $\sqcap$        |
|          | 13       | $\nu$      |                 |          |   |              |  |          |          |          | ] . |          | 63       | V     |          |                 |          |                |          |               |                 |           |          |          | 113        |          |           |                 |
|          | 14       | V          |                 |          |   |              | Ĺ  |          |          |          | ]   |          | 64       | 1     |          |                 |          |                |          |               |                 |           |          |          | 114        |          |           |                 |
|          | 15       | V          |                 |          |   |              |  |          |          |          | ] . |          | 65       | V     | Ĺ        |                 |          |                |          |               |                 |           |          |          | 115        |          |           |                 |
|          | 16       | V          | $\Box$          |          |   |              |  |          |          |          | ]   |          | 66       | V     |          |                 |          |                |          |               |                 |           | ·L       |          | 116        |          |           |                 |
|          | 17       | V          |                 |          |   |              |  |          |          |          | ]   |          | 67       | 1     |          |                 |          |                |          |               |                 |           |          |          | 117        |          |           | Ш               |
| <u> </u> | 18       | 2          | Ш               | _        |   | 匚            |  |          |          | _        |     |          | 68       | 0     | <u></u>  |                 |          |                |          |               | $\perp$         |           |          |          | 118        |          |           | $\square$       |
| L        | 19       | V          |                 | _        |   | <u></u>      |  | L        |          |          |     |          | 69       | 4     | <u> </u> |                 |          |                |          |               |                 | _         |          |          | 119        |          |           | Ш               |
|          | 20       | V          | Ш               | _        |   | L            |  |          |          |          |     |          | 70       | V     | <u> </u> |                 |          |                |          | $\Box$        |                 | _         | L        |          | 120        |          |           | Ш               |
|          | 21       | 1          | Ш               | _        |   |              |  |          | L        |          |     | <u> </u> | 71       | V     |          |                 |          |                |          |               | $\perp$         | _⊦        |          |          | 121        |          |           |                 |
|          | 22       | V          | Ш               | _        |   |              |  |          | L        |          |     |          | 72       | V     |          |                 |          |                |          |               | _               | _         | L        |          | 122        |          |           | Ш               |
|          | 23       | V          | $\sqcup \bot$   | 4        |   |              |  |          |          |          |     |          | 73       | V     | $\Box$   |                 |          |                |          | $\rightarrow$ | _               | _         | L        | _        | 123        |          | _         | Ш               |
| <u> </u> | 24       | $\nu$      |                 | 4        |   | _            | <u> </u>   | _        | _        | _        |     |          | 74       | "     | _        | Ш               |          |                |          | _             | _               | _         | L        | _        | 124        |          | _         | $\sqcup$        |
|          | 25       | U          | $\sqcup$        | 4        |   |              | _  |          | _        |          |     |          | 75       | 1     | _        |                 |          |                |          | _             | _               | վ.        | L        | _        | 125        |          | _         | $\vdash \vdash$ |
|          | 26       | V          | $\vdash$        | 4        |   | <u> </u>     | <u> </u>   |          |          | _        |     |          | 76       | 1     | ļ        |                 | _        | _              |          | $\dashv$      | -               | 4         | -        |          | 126        | _        | _         | $\vdash$        |
|          | 27       | V          | $\vdash$        | 4        |   | <u> </u>     | <u> </u>   |          |          | <u> </u> |     |          | 77       | V     | <u> </u> |                 |          |                |          | _             | -               | 4         | L        | $\dashv$ | 127        | _        | _         | $\vdash$        |
| <u> </u> | 28       | V          | -               | 4        |   | <u> </u>     | <u> </u>   |          |          | <u> </u> |     |          | 78       | 1     | _        | _               | _        |                |          | -             | +               | 4         | $\vdash$ |          | 128        |          |           | $\vdash \vdash$ |
|          | 29<br>30 | V          | $\vdash$        | -        |   | ├—           | <del> </del>                                     |          | <b></b>  |          |     |          | 79       |       | ļ        | -               |          |                |          | -             |                 | 4         | $\perp$  | $\dashv$ | 129        |          | $\dashv$  | $\vdash$        |
|          |          | V          | -+              | 4        |   | -            | <u> </u>   |          |          |          |     |          | 80       | V     | _        |                 |          | _              | -        | -             | 4               | 4         | $\vdash$ |          | 130        |          | _         | $\vdash$        |
|          | 31<br>32 | -          | $\vdash$        | $\dashv$ |   | $\vdash$     |  |          | H        | _        | -   |          | 81<br>82 | 2     | _        | $\dashv$        | _        | -              |          | $\dashv$      | +               | $\dashv$  | $\vdash$ |          | 131<br>132 |          |           | $\vdash\vdash$  |
| <b>-</b> | 33       | 1          | $\vdash$        | +        |   | <u> </u>     |  |          |          |          |     |          | 83       | V     |          |                 |          |                | -        |               | +               | $\dashv$  | -        |          | 133        |          | -         | $\vdash$        |
| <u> </u> | 34       | <u>/</u>   | $\vdash \vdash$ | $\dashv$ |   | $\vdash$     | $\vdash$   | -        | $\vdash$ | <u> </u> |     |          | 84       | V     | <u> </u> | $\vdash \vdash$ | $\vdash$ | $\dashv$       | $\dashv$ | $\dashv$      | +               | $\dashv$  | $\vdash$ |          | 134        | $\dashv$ |           | $\vdash$        |
| -        | 35       | 1          | +               | ┥        |   | <del> </del> | $\vdash$   | -        | $\vdash$ | <u> </u> |     |          | 85       | N     | ┝        |                 | $\dashv$ |                | $\dashv$ | $\dashv$      | +               | $\dashv$  | -        |          | 135        | -        | $\dashv$  | $\dashv$        |
| $\vdash$ | 36       | 7          | $\vdash$        | ┪        | - |              | -  | Ь—       | $\vdash$ | ├        | ĺ   |          | 86       | N N   | $\vdash$ | -               |          | -              | $\dashv$ | ᆉ             | $\dashv$        | -         | +        |          | 136        |          | -         | $\dashv$        |
| $\vdash$ | 37       | V          | $\vdash$        | ᅱ        | - |              | -  |          |          | -        |     |          | 87       | V     | $\vdash$ | $\vdash$        |          | $\dashv$       | $\dashv$ | $\dashv$      | +               | $\dashv$  | $\vdash$ | -+       | 137        | -        | $\dashv$  | $\dashv$        |
|          | 38       | V          | $\vdash$        | +        | - | H            | $\vdash$   | _        | $\vdash$ | -        | 1   | -        | 88       | V     | H        | $\vdash$        |          |                | $\dashv$ | +             | +               | $\exists$ | $\vdash$ | $\dashv$ | 138        | -        |           |                 |
| <b></b>  | 39       | V          | $\vdash$        | $\dashv$ |   | -            | <del>                                     </del> | -        | $\vdash$ | Ι        |     |          | 89       | V     |          | $\dashv$        | $\dashv$ |                | $\dashv$ | $\dashv$      | +               | $\dashv$  | $\vdash$ | $\dashv$ | 139        |          | $\dashv$  |                 |
| _        |          | V          | $\dashv$        | $\dashv$ |   | $\vdash$     | <u> </u>   |          |          | -        |     |          | 90       | V     |          | $\dashv$        | $\dashv$ | $\dashv$       | $\dashv$ | +             | +               | $\dashv$  | $\vdash$ | $\dashv$ | 140        |          |           | $\dashv$        |
|          |          | 1          | $\top$          | 7        | _ | Н            |  | _        |          |          |     |          | 91       | 2     |          | $\neg$          | $\neg$   | $\neg$         | $\neg$   | +             | 十               | 1         | $\vdash$ | $\dashv$ | 141        |          |           | H               |
|          | 42       | V          |                 | 7        |   | Н            |  | _        |          | $\vdash$ |     | -        | 92       | v     |          | $\vdash$        | $\dashv$ | $\neg \dagger$ | _        | $\dashv$      | $\top$          | Η.        | $\vdash$ | $\dashv$ | 142        | $\dashv$ | $\neg$    | $\dashv$        |
|          | 43       | ~          | _               | 7        | _ |              |  |          |          | Т        | 1   |          | 93       | V     |          |                 | -        | $\dashv$       | -        | 寸             | 十               | 1         | $\vdash$ | $\dashv$ | 143        | $\neg$   | $\exists$ | $\sqcap$        |
|          | 44       | V          |                 | ┪        |   |              | П  |          |          |          | i   |          | 94       | v     |          |                 |          |                | $\dashv$ | ヿ             | 十               | T         |          |          | 144        |          |           | $\sqcap$        |
|          | 45       | V          |                 | 寸        |   |              |  | г        |          | _        |     |          | 95       | V     |          | $\dashv$        | $\dashv$ | $\neg$         | 一        | 7             | 十               | 7         |          | $\dashv$ | 145        |          |           | $\neg$          |
|          | 46       | V          |                 | ┪        |   |              | П  |          |          |          |     |          | 96       | 1     |          |                 | $\neg$   |                | 一        | 7             | 7               | ٦         | $\vdash$ |          | 146        |          | _         | $\neg$          |
|          | 47       | 1          |                 | 寸        |   |              |  |          |          |          |     |          | 97       | 2     |          |                 | 一        | 一              | $\dashv$ | 寸             | $\top$          | ٦         |          |          | 147        | $\neg$   | $\neg$    | $\neg$          |
|          | 48       | V          |                 |          |   |              |  |          |          |          |     |          | 98       | V     |          |                 |          |                |          |               |                 |           |          |          | 148        |          |           | $\Box$          |
|          | 49       | V          |                 | J        |   |              |  |          |          |          |     |          | 99       | V     |          |                 |          |                |          |               |                 |           |          |          | 149        |          |           |                 |
|          | 50       | V          |                 |          |   |              |  |          |          |          |     |          | 100      | V     |          |                 |          |                |          |               |                 |           |          |          | 150        | _        |           | ╗               |
|          |          |            |                 | _        |   | _            |  |          |          |          | . 1 |          |          |       |          |                 |          |                |          |               | _               | _         | _        |          |            |          | _         | _               |